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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/699,219	10/31/2003	Young-Chai Ko	TI-36156	2776	
	7590 11/01/200' RUMENTS INCORPOR	EXAMINER			
P O BOX 6554	74, M/S 3999	LEE, SIU M			
DALLAS, TX	/5205	•	ART UNIT	PAPER NUMBER	
			2611		
			NOTIFICATION DATE	DELIVERY MODE	
			11/01/2007	ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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	Application No. Applicant(s)		
Supplemental	10/699,219	KO ET AL. Art Unit	
Notice of Allowability	Examiner		
	Siu M. Lee	2611	
The MAILING DATE of this communication. Ill claims being allowable, PROSECUTION ON THE MEI I crewith (or previously mailed), a Notice of Allowance (Parameter). I could be the communication of	RITS IS (OR REMAINS) CLOSED in FOL-85) or other appropriate comm	n this application. If not included unication will be mailed in due of	d ourse. THIS

	Siu M. Lee	2611					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.							
 This communication is responsive to <u>amendment filed on 7</u> 	<u>/5/2007</u> .						
2. \boxtimes The allowed claim(s) is/are <u>1-6 and 8-34</u> .							
 Acknowledgment is made of a claim for foreign priority un a) ☐ All b) ☐ Some* c) ☐ None of the: 							
Certified copies of the priority documents have							
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this national stage application from the							
International Bureau (PCT Rule 17.2(a)).							
* Certified copies not received:							
Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		y complying with the red	quirements				
 A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give 			IOTICE OF				
5. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.						
(a) including changes required by the Notice of Draftspers	on's Patent Drawing Review(PT0	0-948) attached					
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date							
(b) including changes required by the attached Examiner's Paper No./Mail Date	(b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date						
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	84(c)) should be written on the drav ne header according to 37 CFR 1.12	vings in the front (not the 1(d).	back) of				
 DEPOSIT OF and/or INFORMATION about the depos attached Examiner's comment regarding REQUIREMENT R 			Note the				
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. Notice of Informal	Patent Application					
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ⊠ Interview Summar	• •					
	Paper No./Mail D 7. 🛛 Examiner's Amen	ate					
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 							
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛭 Examiner's Staten	nent of Reasons for Allo	owance				
	9. Other						

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DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Michael J. Fogarty, III on 9/10/2007.

(1) Regarding claim 26:

Insert the paragraph ---regrouping the groups that are less than a second specified threshold distance apart; and applying a group decision rule to the regrouped groups;--- after the paragraph "adjusts the DLLs for the remaining signals so that the signals are greater than the specified threshold apart;".

(2) Regarding claim 30:

Insert the paragraph ---regrouping the groups that are less than a second specified threshold distance apart; and applying a group decision rule to the regrouped groups;--- after the paragraph "adjusts the DLLs for the remaining signals so that the signals are greater than the specified threshold apart;".

(3) Regarding claim 8:

Line 1, replace "The method of claim 7" with --- The method of claim 1---.

(4) Regarding claim 9:

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Line 1, replace "The method of claim 7" with --- The method of claim 1---.

Allowable Subject Matter

- 2. Claims 1-6 and 8-34 are allowed.
- 3. The following is an examiner's statement of reasons for allowance:

The present inventions described the method for code tracking in multipath with a plurality of paths using delay lock loops comprising assigning a DLL to each path in the multipath; adjusting each DLL to maximize a strength of sample in each path; placing paths having samples less than a first specified distance threshold apart into groups; adjusting the DLL assigned to each path in the groups so that samples from paths in the group are greater than the first specified distance threshold apart, wherein adjusting the DLL comprises fixing a location for a path having samples with a largest magnitude in the group and adjusting the DLLs of other paths so that the samples of the other paths are greater than the first specified distance threshold apart; regrouping the groups that are less than a second specified threshold distance apart; and applying a group decision rule to the regrouped groups. The closest prior art, Smolyar et al. discloses a similar method but fail to discloses the step of regrouping the groups that are less than a second specified threshold distance apart; and applying a group decision rule to the regrouped groups. This distinct limitation has been added to independent claims 1, 26, and 30 thus rendering them allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Siu M. Lee whose telephone number is (571) 270-1083. The examiner can normally be reached on Mon-Fri, 7:30-4:00 with every other Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chieh Fan can be reached on (571) 272-3042. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Siu M Lee Examiner Art Unit 2611 9/10/2007

CHIEH M. FAN
SUPERVISORY PATENT EXAMINER